

Gamma radiation of Ta¹⁸²

S/048/61/025/002/007/016
B117/B212

considered on these corrections. Composite lines are separated into singular components with the help of standard lines. The results obtained agree well with data given in Refs. 3 and 5, but differ very much from those given in Refs. 4 and 6. The hard region of the spectrum was investigated by means of a ritron. After the corrections had been introduced, the intensities of the hard lines were determined (Table). The resolution of the ritron, however, was not high enough to separate the gamma lines, as was done in Refs. 1 and 2. Therefore, the intensities of the hard lines determined with standard lines are not as accurately given as those in Refs. 1 and 2. Special attention had been paid to investigate the spectral region around 1,600 kev. It was found that in this region the number of coincidences does hardly exceed the background. The results of the study showed that if 1608.5-kev gamma quanta exist, their maximum intensity amounts to 0.05% of the 1121.6-kev line intensity. There are 3 figures, 1 table, and 10 references: 5 Soviet-bloc.

ASSOCIATION: Radiyevyy institut im. V. G. Khlopina Akademii nauk SSSR
(Radium Institute imeni V. G. Khlopin of the Academy of Sciences USSR)

Card 2/4

Gamma radiation of Ta¹⁸²S/048/61/025/002/007/016
B117/3212

Legend to the table:
 1) transition energy, kev;
 2) relative intensities according to Müller, Murray,
 Bachström, O. Sumbayev,
 Fröman & Ryde, N. A. Voinova,
 V. D. Vitman and own measurements (last column).

Энергия перехода, кэВ	Относительные интенсивности								Наши данные
	Мюller и др. [3]	Муррей и др. [5]	Бачстром [4]	Сумбайев [6]	Фроман и Риде [6] (1957)	Войнова и др. [1] (1959)	Витман и др. [2] (1961)	Наши данные	
65,71	2,6	7,5	—	—	—	—	—	—	—
87,74	28,4	85	—	—	—	—	—	—	—
84,87	1,7	5	—	—	—	—	—	—	—
100,09	13,1	40	—	—	—	52	—	—	—
113,88	2,6	7,5	—	—	—	—	—	—	15±7
116,40	0,4	1,7	—	—	—	—	—	—	—

Card 3/4

Gamma radiation of Ta¹⁸²

S/048/61/025/002/007/016
B117/B212

Card 4/4

VOINOVA, N.A.; DZHELEPOV, B.S.; ZHUKOVSKIY, N.N.

Gamma radiation from Zr^{95} + Nb^{95} . Izv. AN SSSR Ser.fiz. 24 no.7:
850-851 '60. (MIRA 13:7)

1. Radiyevyy institut imeni V.G. Khlopina Akademii nauk SSSR.
(Gamma rays)
(Zirconium--Isotopes)
(Niobium--Isotopes)

VOINOVA, N.A.; DZHELEPOV, B.S.; ZHUKOVSKIY, N.N.; KHOL'MOV, Yu.V.

Gamma radiation from Tb¹⁶⁰. Izv.AN SSSR Ser.fiz. 24 no.7:852-857
Jl '60. (MIRA 13:7)

1. Radiyevyy institut imeni V.G.Khlopina Akademii nauk SSSR.
(Gamma rays) (Terbium--Isotopes)

S/048/60/024/03/07/012
B006/B014

AUTHORS: Voinova, N. A., Dzhelepov, B. S., Zhukovskiy, N. N.

TITLE: Investigation of the Gamma Radiation of Ag^{110m} in the Energy Range 0.2 - 2.0 Mev 79 79

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960, Vol. 24, No. 3, pp. 291 - 299

TEXT: The article under review was read at the Tenth All-Union Conference on Nuclear Spectroscopy (Moscow, January 19 - 27, 1960). In recent years data on the γ -emission of Ag^{110m} appeared in various papers, inter alia by L. Gustova et al. (Ref. 3) and by the authors of this article (energy range 650 - 1,600 kev). The energies of the γ -lines detected by the various authors in the various energy ranges under consideration are given in the introduction. The authors analyzed again the γ -spectrum of Ag^{110m} in the range 0.2 - 2.0 Mev by means of an elotron. A neutron-activated sample of approximately 11 g served as source. The initial activity of the source was about 0.9 curies. Experimental results are

Card 1/3

✓B

Investigation of the Gamma Radiation of
 Ag^{110m} in the Energy Range 0.2 - 2.0 Mev

S/048/60/024/03/07/019
B006/B014

compiled in diagrams and tables. The 656-kev lines were used as reference lines. In the range 440 - 1,600 kev 14 lines could be recorded separately. Their intensity exceeded 1 per cent of that of the 656-kev line. An analysis of the experimental curves made on the electron showed that the ranges 300 - 430 kev and 450 - 600 kev contained no lines with intensities greater than 1 per cent and/or 0.8 per cent of that of the 656-kev line. There was no sign of existence of a 723-kev line in the γ -spectrum of Ag^{110m} (as described by Cork et al.), provided its intensity be greater than 1 per cent of that of the 656-kev line. No γ -lines with intensities exceeding 0.3 per cent were found in the range 950 - 1,350 kev. Next, a great number of further details are discussed, such as intensities (Table 1), lifetimes, and multipole types of the various transitions. Further, the results of numerous papers dealing with decay schemes of isobaric nuclei with $A = 110$ are discussed (Fig. 2). The following is dealt with in detail: the quantum characteristics of the excited levels of Cd^{110} and the pertinent intensity equilibrium, the isomeric transitions in Ag^{110} and In^{110} (Table 2 lists the theoretical K/L values and $T_{1/2}$ of the 120-kev transition in In^{110} for various multipole types). Finally, V/B

Card 2/3

Investigation of the Gamma Radiation of
Ag^{110*} in the Energy Range 0.2 & 2.0 Mev

S/048/60/024/03/07/019
B006/B014

the actual possibilities of β^+ -decay and of the capture of orbital electrons in Ag^{110*} and Ag¹¹⁰ are discussed. Mention is made of N. Anton'yeva. In conclusion, the authors thank V. P. Prikhodtseva and Yu. V. Khol'nov for putting the rytron at their disposal. There are 2 figures, 2 tables, and 34 references, 7 of which are Soviet.

ASSOCIATION: Radiyevyy institut im. V. G. Khlopina Akademii nauk SSSR
(Radium Institute imeni V. G. Khlopin of the Academy of Sciences, USSR)

VB

Card 3/3

S/056/61/040/002/015/047
B102/B202

AUTHORS: Vitman, V. D., Voinova, N. A., Dzhelepov, B. S., Karan, A. A.

TITLE: 892.4-kev gamma transition in the W^{182} nucleus

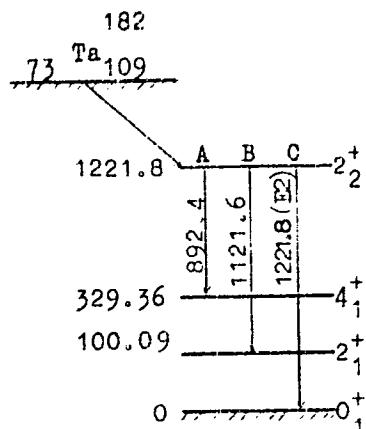
PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 40,
no. 2, 1961, 479-482

TEXT: The authors present measurement results of the intensity of 892.4-kev gamma transition from the 1221.8-kev level to a level of the fundamental rotational band in W^{182} . The experimental results obtained for the $Ta^{182} \rightarrow W^{182}$ decay are illustrated in the decay scheme. The transitions B and C are well known. The present paper gives details concerning transition A. The 892-kev line has been known since 1950; its relative intensity (intens-

Card 1/6

S/056/61/040/002/015/047
B102/B202

892.4-kev gamma ...



ity of the 892.4-kev gamma radiation referred to that of the 1221.8-kev gamma radiation) was found to be 0.017 or less. The following value was obtained by V. S. Gvozdev, L. I. Rusinov, and Yu. L. Khazov from the conversion electron spectrum: $K_{892.4}/K_{1221.8} \leq 0.02$; C. J. Gallagher et al. (Phys. Rev. 113, 1298, 1959) found a line with 894.7 ± 0.8 kev ($T_{1/2} = 13$ hr) of considerably higher intensity: $K_{894.7}/K_{1221.8} = 2.3$ in $\text{Re}^{182} \rightarrow \text{W}^{182}$ decay. According to the authors, this line is too intense to be related to the 1221.8-kev level of W^{182} . To explain this problem, the ranges 850-910 and 1100-1250 kev of the gamma spectrum were studied by means a new magnetic spectrometer (Elotron) which had been built of the VNIIIMa; this spectrometer is characterized by high sensitivity (1.2% in the

Card 2/6

892.4-kev gamma...

S/056/61/040/002/015/047
B!02/B202

range of 1 Mev) and low background. The recoil-electron spectrum is shown in Fig. 2. The results were entered without consideration of the background (which was constantly about 0.04 pulses per minute). $I(\gamma_{892.4})/I(\gamma_{1221.8}) \leq 0.006$ was obtained for the intensity ratio. On the basis of the theory of non-axial nuclei of A. S. Davydov et al., the authors then calculated the relative intensities of the 1221.8 and 1121.6 kev transitions. Using a formula by Davydov with $E(2_1^+) = 100.092$ kev and $E(2_2^+) = 1221.8$ kev, γ was found to be 11.40° . The following results were obtained:

Card 3/6

S/056/61/040/002/015/047
B102/B202

892.4-kev gamma...

Intensity ratios for the transitions A, B, C from the 1221.8-kev level

Transition energy, kev	Experimental intensity ratio	Theoretical intensity ratios					
		acc. to Davydov		acc. to Alaga			without correc- tion
		$\gamma = 11.40^{\circ}$	$\gamma = 11.20^{\circ}$	K=0	K=1	K=2	
892.4	≤ 0.6	3.8	3.7	53.6	23.8	1.46	3.2
1121.6	122	131	130	93.2	23.5	93.2	122
1221.8	100	100	100	100	100	100	100

Card 4/6

S/056/61/040/002/015/047
B102/B202

892.4-kev gamma...

According to the theory of axial nuclei by G. Alaga et al (Kong. Dan. Vid. Selsk. Mat.-fys. Medd. 29, 9, 1955), the intensity ratio of the transitions depends on the quantum number K of the 1221.8-kev level. The transition intensity ratios following from this theory are also shown in the table. The values for K=2 are in fairly good agreement with the measured values; those obtained for the 892.4-kev transition, however deviate largely. N. N. Zhukovskiy is mentioned. There are 2 figures, 1 table, and 17 references: 7 Soviet-bloc and 10 non-Soviet-bloc.

ASSOCIATION: Vsesoyuznyy institut metrologii (All-Union Institute of Metrology)

SUBMITTED: September 24, 1960

Card 5/6

VITMAN, V.D.; VOINOVA, N.A.; DZHELEPOV, B.S.; KARAN, A.A.

Relative intensities of some γ -lines in the spectrum of Ta¹⁸².
Izv. AN SSSR. Ser. fiz. 25 no.2:199-200 F '61. (MJRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
D.I. Mendeleyeva i Fiziko-tehnicheskiy institut AN SSSR.
(Tantalum--Spectra)

VOINOVA, N.A.; DZHELEPOV, B.S.; KHOL'NOV, Yu.V.

γ -Radiation of Ta¹⁸². Izv. Ak. SSSR. Ser. fiz. 25 no.2:233-236
F '61. (MIRA 14:3)

1. Radiyevyy institut im. V.G. Khlopina AN SSSR.
(Tantalum--Isotopes) (Gamma rays)

VIEMAN, V. D.; VOINOVA, N. A.; DZHELEPOV, B. S.

"Gamma Radiation from As⁷⁶."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22
Feb 64.

VNIIM (All-Union Sci Res Inst Metrology im D. I. Mendeleyev)

DANILEVY, A. G.; VOINOVA, N. A.; DZHELEPOV, B. I.; KALINICHEV, YU. V.; KAMINKER, D. A.

"The Magnetic Gamma Spectrometer Based on Electron Recoils "or the Investigation of Short-Lived Isotopes."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

FTI (Physico Technical Inst)

SERGEYEV, A.G.; VOINOVA, N.A.; DZHELEPOV, B.S.; KALINICHEV, Yu.V.;
KAMINKER, D.M.

Magnetic Compton spectrometer for analyzing short-lived
isotopes. Prib. i tekhn. eksp. 10 no. 5:48-53 S-0 '65.
(MIR 1981)

1. Fiziko-tekhnicheskiy institut AN SSSR, Leningrad.
Submitted Sept. 18, 1964.

L 2015-66 EWT(m) DIAAP

ACCESSION NR: AP5020247

UR/0367/65/002/001/0003/0009

AUTHOR: Vesna, V. A.; Voinova, N. A.; Kalinichev, Yu. V.; Sergeyev, A. G.

TITLE: The decay of In^{116*} 19

SOURCE: Yadernaya fizika, v. 2, no. 1, 1965, 3-9

TOPIC TAGS: indium, Gamma spectroscopy, line intensity, radioactive decay scheme

ABSTRACT: In view of rather strong discrepancies between the data obtained on the γ radiation from In^{116*} by different techniques, the authors undertook a study of the In^{116*} spectrum to obtain better information on the γ lines and to search for new weak lines. The measurements were made with a magnetic Compton spectrometer described elsewhere (Program and Abstracts of Papers of the 14th Annual Conference on Nuclear Spectroscopy, Tbilisi, 1964). In₂O₃ samples (0.3 g) were irradiated in a flux of (3--4) $\times 10^{13}$ thermal neutrons/cm²/sec in a reactor and transported to the spectrometer by a pneumatic tube. The following energy levels and intensities were observed: 2113.2 \pm 0.6 (16.3 \pm 1.0), 1751.3 \pm 0.8 (2.8 \pm 0.2), 1507.9 \pm 0.5 (9.1 \pm 0.6), 1293.7 \pm 0.5 (83.7 \pm 2.0), 1098.5 \pm 0.7 (53 \pm 3), 820.1 \pm 0.6 (11.2 \pm 1.0), and 416.9 \pm 0.4 (27.5 \pm 0.3). The results are compared with those by others and the reasons for discrepancies are discussed. The upper limit of the intensity of

Card 1/2

L 2015-66

ACCESSION NR: AP5020247

the γ transition with ~445 kev energy is found to be 1.5%. The decay scheme of In^{116*} is discussed. "We thank D. M. Kaminker for continuous interest in the work and for valuable discussions, and A. I. Yegorov for preparing the indium oxide." Orig. art. has: 4 figures and 3 tables.

ASSOCIATION: Fiziko-tehnicheskiy institut im. A. F. Ioffe AN SSSR (Physicotechnical Institute, AN SSSR)

SUBMITTED: 15Mar65

ENCL: 00

SUB CODE: NP

NR REF Sov: 003

OTHER: 006

Card 2/2

DP

L 23729-66 EWT(n) DIAAP JD/JG

ACC NR: AP6014811

SOURCE CODE: UR/0367/65/001/002/0191/0197

AUTHOR: Vitman, V. D.; Voinova, N. A.--Voynova, N. A.; Dzhelepov, B. S.

ORG: All-Union Institute of Metrology im. D. I. Mendeleyev (Vsesoyuznyy institut metrologii); Physicotechnical Institute im. A. F. Ioffe AN SSSR (Fiziko-tehnicheskiy institut AN SSSR)

TITLE: New data on the decay scheme of Re sup 188

19

19

SOURCE: Yadernaya fizika, v. 1, no. 2, 1965, 191-197

TOPIC TAGS: rhenium, spectrometer, thermal neutron, osmium, radioactive decay

ABSTRACT: The energies and relative intensities of γ -lines in Re¹⁸⁸ were determined using an Electron magnetic γ -spectrometer. Metallic rhenium activated by thermal neutrons was used as a source. In all, 23 γ -lines were observed in the spectrum; of these the lines with energies of 717, 1019, 1175, 1193, 1322, 1460, 1656, 1675, 1852, 1869, and 2026 KEV were found for the first time. The decay scheme of the Re¹⁸⁸ was considered in comparison with the previously suggested schemes, and three new levels with energies of 2026, 1828, and 1809 KEV were introduced. The values of the quantum characteristics of these levels were discussed. The intensities of β -transitions to Os¹⁸⁸ levels were determined from the balance of γ -transition intensities. Orig. art. has: 4 figures and 1 table. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 20 / SUBM DATE: 05Aug 64 / ORIG REF: 001 / OTH REF: 007

Card 1/1 *HW*

L 13174-66 EWT(m)

DIAAP

ACC NR: AP6001142

SOURCE CODE: UR/0367/65/002/003/0393/0401

AUTHOR: Vitman, V. D.; Voinova, N. A.; Dzhelepov, B. S.

ORG: Physics-Technical Institute im. A. F. Ioffe, Academy of Sciences, SSSR (Fiziko-tehnicheskiy institut Akademii nauk SSSR); Institute of Metrology im. D. I. Mendeleyev (Institut metrologii)

TITLE: Determination of the intensity and multipolarity of high-energy gamma-transitions accompanying Ta¹⁸²-decay

SOURCE: Yadernaya fizika, v. 2, no. 3, 1965, 393-401

TOPIC TAGS: tantalum, radioactive decay, radioactive decay scheme, gamma transition, multipole order

ABSTRACT: The authors present data and discuss precise measurements of the intensities of gamma-transitions of Ta¹⁸² with energies above 900 kev performed at an installation of VNIM. The source used was tantalum activated with neutrons at the FTI reactor (source activity amounted to about 12 curie). A total of 20 transitions were observed. Determinations were made of multipolarities, and in some cases of a mixture of different polarities. Multipolarities of transitions with the energy of 1342; 1372; 1386; 1410; (1435); and 1453 kev were determined for the first time. The W¹⁸² level scheme is discussed. The following quantum characteristics were ascribed to excited levels of W¹⁸²: K, I^π: 0.2⁺ (1222); 0.2⁺ (1258); 2.2⁻ (1289); 2.3⁺ (1331); (1), 0⁺ (1410), and I^π=2⁻ (1435). These characteristics were

Card 1/2

L 13174-66

ACC NR: AP6001142

ascribed on the basis of analyses of the work performed. It is noted that the data obtained do not contradict the values of $I^{\pi} = 4^-$ for the levels 1488 and 1554 kev, and $I^{\pi} = 4^+$ for the 1443 kev level. Authors use this opportunity to express their sincere gratitude to A. L. Medvedev of VNIIM for his help in the measurements, and to V. M. Mikhaylov of LGU for valuable advice and discussion of the results. Orig. art. has: 2 figures and 3 tables.

SUB CODE: 30, 18 / SUBM DATE: 28Dec64 / ORIG REF: 010 / OTH REF: 006

Card

2/2

VITMAN, V.S.; VOLNOVA, N.A.; DZHIFLEPCOV, R.N.

Determining the intensities and multipolarity of high-energy
gamma-transitions accompanying Ta^{182} decay. IAd. fiz. i
no.3;393-401 S 165. (MFA 18:9)

I. Fiziko-tehnicheskiy institut im. A.F. Ioffe AN SSSR i
Institut metrologii im. D.I. Mendeleeva.

L 28963-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6019087

SOURCE CODE: UR/0367/66/003/001/0003/0007

AUTHOR: Voinova, N.A.; Dzhelepov, B.S.; Zhukovskiy, N.N.; Kalinichev, Yu.V.; 42
Maloyan, A.G.; Sergeyev, A.G. 15ORG: Physicotechnical Institute im. A.F. Ioffe, AN SSSR (Fiziko-tehnicheskiy
institut AN SSSR); Radium Institute, AN SSSR (Radiyevyy institut AN SSSR)TITLE: Gamma radiation of Eu¹⁵² in the 1380-1900 keV energy range

SOURCE: Yadernaya fizika, v. 3, no. 1, 1966, 3-7

TOPIC TAGS: gamma radiation, europium, gamma spectrometer, radioisotope

ABSTRACT: The γ -spectrum of Eu^{152*} in the 1360-1900 keV energy range was investigated on the magnetic Compton γ -spectrometer alotron of the Physics-Engineering Institute of the USSR Academy of Sciences. New γ -lines with energies of 1510, 1577, 1680, and 1756 keV were found and their relative intensities determined. The energy of the 1411.9 \pm 0.7 keV γ -line in Eu^{152*} was determined more precisely and this line was separated from the 1407.6 keV γ -line in Eu¹⁵². The 1680 keV 1⁺ level in Sm¹⁵² and the 1756 keV 1⁻ level in Gd¹⁵² are studied. The decay scheme is discussed. Based on author's English abstract. Orig. art. has: 1 table and 3 figures. [5PRS]

SUB CODE: 18, 20 / SUBM DATE: 17Apr65 / ORIG REF: 002 / OTH REF: 005

Card 1/1 BLG

BALALAYEV, V.A.; VOINOVA, N.A.; IZHELEPOV, B.S.; MOSKVIN, L.N.; SHESTOPALOVA, S.A.

On the β -decay of Ta^{182} with an energy above 600 Kev. Izv.
AN SSSR. Ser.fiz. 30 no.1:126-131 Ja '66.

(MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D.I.Mendeleyeva i Fiziko-tehnicheskiy institut im. A.F.
Ioffe AN SSSR.

ACC NR: AP6023077

EWP(t)/ETI
(AN) IJP(c)

JD

SOURCE CODE:

UR/0367/66/003/004/0593/0597

AUTHOR: Voinova, N. A.; Dzhelepov, B. S.; Kalinichev, Yu. V.; Kaminker,

D. M.; Sergeyev, A. G.

52

ORG: Physicotechnical Institute im. A. F. Ioffe, Academy of Sciences SSSR
(Fiziko-tehnicheskij institut Akademii nauk SSSR)

50

TITLE: Gamma spectrum of Mn⁵⁶ isotopes

71

19

SOURCE: Yadernaya fizika, v. 3, no. 4, 1966, 593-597

TOPIC TAGS: gamma spectrum, electron paramagnetic spectrometer, nuclear energy, radioactive decay, manganese isotope

ABSTRACT: The γ -spectrum of Mn⁵⁶ has been measured by a magnetic spectrometer of the "electron" type. The γ -transition energy is obtained with 0.03 to 0.04% accuracy. Since the pattern of the Mn⁵⁶ decay is well-known, the measurement of the Mn⁵⁶ spectrum improved the energy calibration of the spectrometer in the energy region higher than 1.4 Mev, and gave the best values for the energy of Fe⁵⁶ levels, excited in the Mn⁵⁶ decay. Intensities of the Mn⁵⁶ γ -transitions

Card 1/2

APPROVED FOR RELEASE

L 44429-66 EWT(m)/EWP(t)/ETI IJP(c) JD SOURCE CODE: UR/0367/66/003/004/0593/0597
ACC NR: AP6023077 (AN)

AUTHOR: Voinova, N. A.; Dzhelepov, B. S.; Kalinichev, Yu. V.; Kaminker, 52
D. M.; Sergeyev, A. G.

ORG: Physicotechnical Institute im. A. F. Ioffe, Academy of Sciences SSSR
(Fiziko-tehnicheskiy institut Akademii nauk SSSR)

TITLE: Gamma spectrum of Mn⁵⁶ isotopes 19

SOURCE: Yadernaya fizika, v. 3, no. 4, 1966, 593-597

TOPIC TAGS: gamma spectrum, electron paramagnetic spectrometer, nuclear energy, radioactive decay, manganese isotope

ABSTRACT: The γ -spectrum of Mn⁵⁶ has been measured by a magnetic spectrometer of the "electron" type. The γ -transition energy is obtained with 0.03 to 0.04% accuracy. Since the pattern of the Mn⁵⁶ decay is well-known, the measurement of the Mn⁵⁶ spectrum improved the energy calibration of the spectrometer in the energy region higher than 1.4 Mev, and gave the best values for the energy of Fe⁵⁶ levels, excited in the Mn⁵⁶ decay. Intensities of the Mn⁵⁶ γ -transitions

Card 1/2

L 44429-66

ACC NR: AP6023077

have been determined. The authors thank A. I. Yegorov for preparing an oxide manganese compound and V. A. Vesna for assistance in calculations. Orig. art. has: 5 figures and 3 tables. [Based on authors' abstract] [NT]

SUB CODE: 18/ SUBM DATE: 06Mar65/ ORIG REF: 002/ OTH REF: 009

Card 2/28

TKACHEV, V.V., inzh.; VOLNOVA, I.M., inzh.

Technical questions and answers. Document 39 no. 2:23 Mr-AP 164.
(MIRA 17:5)

1. Vsesoyuznyy gosudarstvennyy nauchno-issledovatel'skiy i
proyektnyy institut tsementnoy promyshlennosti.

L 07155-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP7001027

SOURCE CODE: UR/0048/66/030/001/0126/0131

AUTHOR: Balalayev, V. A.; Voinova, N. A.; Dzhelepov, B. S.; Moskvin, L. N. and ⁴⁶
Shestopalova, S. A. ¹³

ORG: All-Union Scientific Research Institute of Metrology im. D. I. Mendeleyev
(Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii); Physicotechnical
Institute im. A. F. Ioffe AN SSSR (Fiziko-tehnicheskiy institut AN SSSR)

TITLE: Beta decay of ta sup 182 with energy above 600 kev [Paper presented at the
2nd All-Union Symposium on the Physics of thin Ferromagnetic Films; Irkutsk,
10-15 July 1964] ¹⁴ ₁₆ ¹⁷

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 1, 1966, 126-131

TOPIC TAGS: radioactive decay, tantalum, beta radiation

ABSTRACT: In a previous paper the authors were the first to discover a continuous background in the 820-kev region for the beta decay of ta sup 182. This prompted a continuation of the work to investigate the hard beta radiation in the 1500-kev region of a stronger Ta sup 182 source. Results are plotted in curves, tabulated, and compared with results of other authors. The authors thank A. Meshter, If. F. Uchevatkin, and A. I. Medvedev for assistance in the taking of the measurements. I. F. Uchevatkin also took part in the operation and discussions of the original experimental data. The authors further thank G. M. Bukat for setting up the program for the electronic calculating machine. Orig. art. has: 3 figures and 2 tables.

Card 1/1 [JPRS; 35, 43] SUB CODE: 18 / SUBM DATE: none / ORIGREF: 003 / THREE 003

VOINOVA, N.V.

Calculation of the output quota in the main production of breweries.
Trudy KTIPI no.22:155-157 '60. (MIRA 14.3)
(Brewing industry--Accounting)

VOINOVA, N.V.

Indices for determining labor productivity in breweries.
Trudy KTIPP no.23:32-36 '60. (MIRA 15:1)
(Brewing industry--Labor productivity)

VOINOVA, N .V., kand. ekon. nauk

Establishing norms for processes taking place in apparatus.
(MIRA 18:11)
Pishch. prom. no.1:3-7 '65.

VOINOVA, N.V.

labor expenditure for the production, an important index of the economic efficiency of the introduction of new equipment and techniques. Khar. prom. no.3:6)-70. JI-43 '65. (MIMA 1817)

VOINOVA, N.V.

Economic efficiency of the use of carbon dioxide in the
fermentation of beer wort. Khar. prom. no.4:79-81 O-D '65.
(MIRA 18:12)

YERMOL'YEVA, Z.V.; LAZAREVA, Ye.N.; VOINOVA, T.I.; AVER'YANOVA, L.L.;
ZATSEPINA, N.D.

Prospects for the use of dibiomycin in treating trachoma. Antibiotiki
(MIRA 15:2)
6 no.9:58-61 S '61.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov i
Nauchno-issledovatel'skiy institut glaznykh bolezney imeni Gel'mgol'tsa.
(AUREOMYCIN) (CONJUNCTIVITIS, GRANULAR)

VOINOVA, T.I., kand.med.nauk; ZATSEPIINA, N.D.

Use of dibicmycin in trachoma. Vest.oft. no.4:29-34 '61.
(MIRA 14:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaznykh
bolezney imeni Gel'mgol'tsa.
(CONJUNCTIVITIS, GRANULAR) (AUREOMYCIN)

VOINOVA, T. I., kandidat meditsinskikh nauk; ZATSEPINA, N.D., anuchnyy sotrudnik.;
MIZINA, A.V., glavnyy okulist Mordovskoy ASSR.

Use of terramycin in trachoma. Vest. oft. 70 no.1:10-15 Ja-⁷ '57
(MLRA 10:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaznykh
bolezney imeni Gel'mgol'tsa (dir.-kandidat meditsinskikh nauk A.V.
Roslavtsev)
(OXYTETRACYCLINE, ther. use
trachoma) (Rus)
(TRACHOMA, ther.
oxytetracycline) (Rus)

VOINOVA, T.I., kand.med.nauk

Control of trachoma in U.S.S.R. during the past 40 years.
Vest.oft. 70 no.5:20-29 S-0 '57. (MIRA 12:6)

1. Nauchno-issledovatel'skiy institut glaznykh bolezney imeni
Gel'mgol'tsa (dir. - starshiy nauchnyy sotrudnik A.V.Roslavtsev).
(TRACHOMA, prev. and control
in Russia, review)

Country: U.S.S.R.
Category: Pharmacology and Toxicology. Therapeutic
Preparations. Antibiotics
Res. Jour.: Med. Zhurn.-Med., No. 13, 1959, No. 61576
Author: Voinova, T. I.; Zatsepina, N. D.; Mizina, A. V.
Institut: State Scientific Research Institute of Eye
Title: Therapeutic Action of Curcumin in Trachoma
Orig. Pub.: Uch. zap. i inform. metod. materialy. Gos. n.-
i. inst. glazn. teleznoy, 1957, No 5, 167-168
Abstract: No abstract.

* DISOTRES

Card: 1/1

V - 40

VOINOVA, T. I.

VOINOVA, T.I., kand.med.nauk; ZATSEPINA, N.D.; MIZINA, A.V.

Treatment of trachoma with antibiotics. Sov.med. 21 no.9:35-37
(MIRA 11:1)
S '57.

1. Iz Nauchno-issledovatel'skogo instituta glavnnykh bolezney imeni
Gel'mgol'tsa (dir. - kandidat meditsinskikh nauk A.V.Roslavtsev)
(TRACHOMA, ther.
antibiotics)
(ANTIBIOTICS, ther. use
trachoma)

VOINOVA, T.I. (Cand. of Med. Sci.); ZATSEGINA, N.D.; MIZINA, A.V.

"Therapeutic Action of Terramycin in Cases of Trachoma,"

p. 385 Ministry of Health USSR Proceedings of the Second All-Union Conference on
Antibiotics, 31 May - 9 June 1957. p. 405, Moscow, Medgiz, 1957.

VOINOVA, N.V.

Comparing the economic efficiency of two types of malt kilns.
Khar. prom. no. 1:82-84 Ja-Mr '65. (MIRA 18:4)

USSR/Human and Animal Morphology (Normal and Pathological) S-2
Respiratory System

Abs Jour: Ref Zhur - Biol., No 19, 1958, 883-51

Author : Voinova, V. P.

Inst : Dagestan Agricultural Institute

Title : The Histological Origin of the Bronchial Epithelium
and Its Morphology in Experimental Conditions

Orig Pub: Tr. Dagestansk. s-kh. in-ta, 1956, 8, 116-124

Abstract: Fragments of a pulmonary lobule of a rabbit were grown
under a musclo fascia following the method of Lazarenko.
The transplants were extracted for the purpose of histo-
logical investigation at an interval of 12 hours to 85
days. The changes taking place in the bronchial epi-
thelium were matched with the changes in the underlying
connective layer. The cells of the bronchial epith-
elium lost their cilia and the secretion of the glandular
cells ceased. With the onset of the inflammatory

Card 1/2

VOINOV, Zh.; KOLEV, D.

Correct manuring of tobacco. Izv Inst "Nikola Pushkarov" no.2:57-66
'62.

VOINOVA-RAIKOVA, Zh.; BAKALIVANOV, D.

Research on the biological activation of organomineral mixtures.
Izv Inst "Nikola Pushkarov" no.2:39-56 '62.

VOINOVA-RAIKOVA, Zh.

Ammonification of organic nitrogen in the soil. Izv Inst
"Nikola Pushkarov" 7:65-88 '63.

VOINOVA-RAIKOVA, Zhivka, st. n. sutr.

Microorganisms as fertilizers of the soil with biotic substances. Priroda Bulg 12 no. 5: 9-12 S-O '63.

1. Nauchnoizsledovatelski institut "N. Pushkarov".

VOINOVITCH, I.A.

Spectrochemical analysis by injection of solutions with the help of
gases. Chem anal 5 no.1:85-93 '60. (EEAI 9:11)

1. Laboratoire de Chimie Physique, Societe Francaise de Ceramique
Centre National d'Etudes et de Recherches Ceramiques, Paris (France)
(Spectrum analysis) (Aerosols)

VOJINOVIC, Z.; SIVIC, M.; SARIC, R.

Effect of the inoculation of soybeans on various types of soils.

P. 89 (ZEMLJOTV I CHLRA) (Belgrad, Yugoslavia) Vol. 5, no. 1/2, Jan./Dec. 1955

SO: Monthly Index of East European Agriculture (ERAT) IC Vol. 7, No. 5, 1955

VOINOWITCH, I.

Spectrochemical analysis of silicates. In French. p. 299.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polaskiej Akademii Nauk i Naczeln Organizacja Techniczna) Warszawa, Poland, Vol. 3, no. 3/4 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959
Uncl.

VOINOWITCH, I.; Debras, J.

Study of strontium emission in the oxyacetylene flame in the presence of
Ca, Mg, Ba, Na, K, and Li. In French. p. 303.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polaskiej Akademii Nauk i Naczelnan
Organizacja Techniczna) Warszawa, Poland, Vol. 3, no. 3/4 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959
Uncl.

SALGANSKIY, Aleksey Aleksandrovich; VOINSTVENSKIY, M.A., red.

[Birds and animals of our forests] Ptitsy i zveri na shkotakh
lesov. Moskva, Izd-vo "Lesnaia promyshlennost', 1964. 398 p.
(MIRA 17:7)

VOINSTVENSKIY, M.A.

Discovery of the buzzard *Buteo rufinus* Gretschen in a nesting
territory of the "Chernyy Les" in Kirov Province. Nauk. zsp.
Kiev. vyp. 9 no. 6:162-163 '50. (MLRA 9:10)
(Kirov Province--Buzzards)

VOINSTVENSKY, M.

The little bunting (*Emberiza pusilla* Pall.) in the vicinity of Kiev.
Hauk, zap. Kiev. un. 9 no. 6:163 '50. (MIRA 9:10)
(Kiev--Buntings (Birds))

VOINSTVENSKIY, M.A.

A colony of aquatic warblers (*Acrocephalus aquaticus*) in Chernigov Province. Nauk. zap. Kiev. un. 9 no. 6:163-164 '50. (MLRA 9:10)
(Chernigov Province--Warblers)

VOINSTVENSKIY M.A.

Spreading of the black redstart (*Phoenicurus ochruros* Gmel.) toward
the east in the postwar period. Nauk. zap. Kiev. un. 9 no. 6:164 '50.
(Ukraine--Redstarts) (MILRA 9:10)

VOINSTVENSKIY M.A.

New discoveries of Tengmalm's owl (*Aegolius funereus* L.) in the
vicinity of Kiev. Nauk.zap.Kiev.un.9 no.6:164 '50. (MIRA 9:10)
(Kiev--Owls)

VOLNSTVENSKIY, I.A.

"Birds of the Flat Delta of the Dunny River," Naukovi Zap. Kievs'kogo
Derzhavnogo un-tu, 12, III, No 3, 49-72, 1953

Issue No 3 is devoted to the works of the Zoological Museum, Kiev
University. The article presents the results of a preliminary investigation
of the avian fauna in the eastern part of the delta of the Dunny River in the
region of Vilkovo City, Izmail'skaya Oblast. It records 142 species.
(RZhGecl, No 1, 1955)

SO: Sum. No. 536, 10 Jun '5

VOINSTVENSKIY, M.A.; TOROPANOVA, T.A.

New concept in the systematics of titmice (of the genus *Remiz*) which in-
habit the U.S.S.R. Biul. MOIP Otd. biol. 58 no. 3:44-50 '53. (MLRA 6:6)
(Titmice)

VOINSTVENSKIY, M.A.

DEMENT'YEV, G.P.; GLADKOV, N.A.; SUDILOVSKAYA, A.M.; SPANGENBERG, Ye.P.;
BEME, L.B.; VOLCHANETSKIY, I.B.; VOINSTVENSKIY, M.A.; GORCHA -
KOVSAYA, N.N; KORELOV, M.N.; RUSTAMOV, A.K.

[Birds of the Soviet Union] Ptitsy Sovetskogo Soiuza. Pod obshchei
red. G.P.Dement'eva i N.A.Gladkova. Moskva, Gos. izd-vo "Sovetskaya
nauka." Vol.5. 1954. 803 p. (MIRA 7:9)
(Russia--Birds) (Birds--Russia) (Passerines)

VONSTVENSKIY, M.A.

Zoogeographical division into regions of the steppe area in the
European part of the U.S.S.R. Nauk.sap. Kiev. un. 13 no.12:5-12
'54. (Zoogeography) (MLRA 9:10)

VOINSTVENSKIY, M.A.

Some peculiarities of the distribution of birds in the steppe zone
of the European U.S.S.R. Biul.MOIP. Otd.biol.60 no.4:122-123 J1-
Ag'55. (MIRA 8:12)
(BIRDS) (STEPPE FAUNA)

Name VOINSTVENSKIY, Mikhail Anatoliyevich
Dissertation Present State and Origin of Bird Life
of the Steppe Zone of the European
Portion of the USSR
Degree Doc Biol Sci
② Affiliation [not Indicated]
Defense Date, Place 19 Jun 56, Council of Kiev State U
imeni Shevchenko
Certification Date 29 Dec 56
Source BMVO 7/57

~~VOINSTVENS~~

In memory of professor V.M.Artolevskii. Nauk, 240. Kiev, un. 15
no.3:5-8 '56.
(MIRA 10:7)
(Artolevskii, Vladimir Mikhailovich, 1912)

RADCHUK, V.V., otvetstvennyy red.; VOINSTVENSKIY, N.A., red.; KISTYAKOVSKIY, A.B., red.; KORNEYEV, A.P., red.; SOKUR, I.T., red.; PARKHOMENKO, V.V., red.; DOEROVOL'SKIY, A.A., red.; GRIB, F.M., khudozhestvenno-tekhn.red.

[Hunting in the Ukraine] Okhota na Ukraine. Izd. 2-oe. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1957. 325 p. (MIRA 11:2)
(Ukraine--Hunting)

VOINSTVINSKIY, M. A. (Kiev)

"Zur Entwicklungsgeschichte der Ornithofauna in der Steppenzone
des Europaischen Teils der USSR"

Soviet paper presented at 15th Intl. Congress of Zoology, London, 16-23 July 56

VOINSTVENSKIY, M. [Voinstvens'kyi, M.], doktor biol. nauk

Trying to solve a mystery. Znan. ta pratsia no.3:19 Mr '59.
(MIRA 12:10)

(Bulgaria--Description and travel)
(Bulgaria--Birds)

TARASHCHUK, V.I.; PIDOPLICHKO, I.G. [Pidoplichko, I.H.], prof., doktor biolog.nauk, red.toma; KAS'YANENKO, V.G. [Kas'ianenko, V.H.], akademik, glavnnyy red.; BILANOVSKIY, I.D. [Bilanovs'kyi, I.D.], doktor biolog.nauk, red. [deceased]; VOINSTVENSKIY, M.A. [Voinstvens'kyi, M.A.], doktor biolog.nauk, red.; MARKEVICH, O.P., akademik, red.; SENCHENKO, O.S., red.izd-va; ROZENTSVEYG, Ye.N. [Rozentsveig, I.E.N.], tekhn.red.

[Fauna of the Ukraine in forty volumes] Fauna Ukrayiny; v soroka tomakh. Red.kol. I.D.Bilanovs'kyi i dr. Kyiv, Vyd-vo Akad.nauk URSR. Vol.7. [Amphibians and reptiles] Zemnovodni ta plazuny. 1959. 245 p. (MIRA 13:5)

1. AN USSR (for Kas'yanenko, Markevich).
(Ukraine--Amphibia) (Ukraine--Reptiles)

AUTHOR:

Voinstvenskiy, M.A. (Voyinstvens'kyy, M.A.)

SOV/21-59-2-22/26

TITLE:

New Data on the Taxonomic Position of the Fossil
Bird "Gryzay: Odessana Sub" from the Pliocene De-
posits of Odessa (Novyye dannyye o sistematiches-
kom polozenii iskopayemoy ptitsy "Gryzaja Odessana
sub" iz pliotsenovyykh otlozheniy Odessy)

PERIODICAL:

Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 2,
pp 198-202 (USSR)

ABSTRACT:

During excavations conducted in the Odessa carst
caverns over a number of years by the Odessa pale-
ontological expedition of the AS UkrSSR, the rear
limb bones of a peculiar bird were found. The taxo-
nomic position of the bird has not yet been deter-
mined. Twelve bones were discovered, eight of which
had undoubtedly belonged to this bird, whereas four
bones may be regarded as hers only with a measure
of doubt. On the basis of the findings, the pale-
ontologist V.I. Zaburayeva [Ref 1] named the bird

Card 1/3

SOV/21-59-2-22/26

New Data on the Taxonomic Position of the Fossil Bird "Gryzay Odessana Sub" from the Pliocene Deposits of Odessa

Gryzay Odessana et sp.n. The author compared the bones with the bones of other birds kept in the zoological museum of the AS UkrSSR. That study established that this peculiar genus indubitably belongs to the Order Otides and is close to the genus of the contemporary true Otis. The peculiar flattening of the leg bones of the bird was probably connected with an adaptation for digging up the dry dense soil of the Pliocene arid steppes and the semidesert of the Black Sea coast. The discovered bones justify the inference that the bird was a very peculiar and specialized species of Otis of the Pliocene fauna of the southern Ukraine.

Card 2/3

SCV/21-59-2-22/26

New Data on the Taxonomic Position of the Fossil Bird "Gryzaya Odessana Sub" from the Pliocene Deposits of Odessa

There are 6 diagrams and 3 Soviet references.

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology of the AS UkrSSR)

PRESENTED: By V.G. Kas'yanenko, Member of
the AS UkrSSR

SUBMITTED: November 22, 1958

Card 3/3

30(1)
AUTHORS:

SOV/21-59-3-23/27

Voinstvenskiy, M.A., and Umanskaya, A.S.

TITLE:

Birds from Recent Alluvial Deposits of the Lower Dneper (Ptitsy iz sovremennykh alluvial'nykh otlozheniy nizhnego Dnepra)

PERIODICAL:

Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 3,
pp 326-330 (USSR)

ABSTRACT:

Numerous osseous remnants of various vertebrates, including birds, were found in the sand spits and banks of the lower Dneper during the expeditions in 1952-1954, organized by the Palaeozoology Department of the Institute of Zoology of the AS UkrSSR, under the direction of Professor I.G. Pidoplichka. Explorations were conducted in an area between Zaporozh'ye and Kakhovka, that is now flooded by the Kakhovka Water Reservoir. Among other bones, 211 bird bones, belonging to 51 species of birds were found. The results of the identification of birds are compiled in a table. The authors state that the finding of fowl bones gives grounds to

Card 1/2

Birds from Recent Alluvial Deposits of the Lower Dneper SOV/21-59-3-23/27

an assumption that the Pliocene and probably the Pleistocene fauna of Europe contained a fowl closely resembling the Asian Gallus gallus L., which might have been the ancestor of the European domestic fowl. There are 1 table and 3 Soviet references.

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology of the AS UkrSSR)

PRESENTED: December 7, 1958, by V.G. Kas'yanenko, Member of the AS UkrSSR

Card 2/2

VOINSTVENSKIY, MIKHAIL ANATOL'YEVICH

Ptitsy Stepnoy Polosy Yevropeyskiy Chasti SSSR. Kiyev, Izd-vo Akademii
Nauk Ukrainskoy SSR, 1960.

289 p. Tables.

At Head of Title: Akademiya Nauk Ukrainskoy SSR. Institut Zoologii.

Bibliography: p. 284-287.

PIDOPLICHKO, I.G. [Pidoplichko, I.H.], otv. red.; VOINSTVENSKIY,
E.A. [Voinstvens'kyi, E.A.], doktor biol. nauk zam. otv.
red.; KISTYAKIVSKIY, O.B. [Kistiakivs'kyi, O.B.], doktor
biol. nauk, red.; MAZHUGA, P.M. [Mazhuha, P.M.], doktor
biol. nauk, red.; ABELENTSEV, V.G. [Abelentsev, V.H.],
kand. biol. nauk, red.; SHARPILO, L.D., red.

[Terrestrial vertebrates of the Ukraine; ecology, distribution,
history of the fauna] Nazemni khreboetni Ukrayiny; eko-
logiia, pozhyrennia, istoriia fauny. Kyiv, Naukova dumka,
(MIRA 18:9)
1965. 123 p.

1. Akademiya nauk URSR, Kiev. 2. Chlen-korrespondent Ukr.SSR
(for Pidoplichko). 3. Institut zoologii AN Ukr.SSR (for
Abelentsev, Voinstvenskiy).

TKACHUK, V.G., doktor geol.-miner. nauk, otv. red.; YURK, Yu.Yu., doktor geol.-min. nauk, red.; IVANOV, B.N., kand. geogr. nauk, red.; GOLOVTSYN, V.N., doktor geol.-min. nauk, red.; VOINSTVENSKIY, M.A., doktor bio.. nauk, red.; SHUL'TS, P.N., kand. ist. nauk, red.; DUBLYANSKIY, V.N., kand.geol.min. nauk, red.; SERDYUK, O.P., red.izd-va; TURBANOVA, N.A., tekhn. red.

[Transactions of the Joint Karst Expedition] Trudy Kompleksnoi karstovoi ekspeditsii. No.1.[Studying karst in the Crimea] Is-sledovaniia karsta Kryma. 1963. 170 p. (MIRA 17:3)

1. Akademiya nauk URSR, Kiev. Kompleksnaya karstovaya ekspeditsiya.

VOINSTVENSKIY, Mikhail Anatoliyevich[Voinstvens'kyi, M.A.];
KISTYAKOVSKIY, Aleksandr Bogdanovich[Kistiakivs'kyi,
O.B.]; NEMCHENKO, Ye.M., red.; SHVCHENKO, L.I., tekhn
red.

[Classification key of birds of the Ukrainian S.S.R.]
Vyznachnyk ptakhiv URSR. Vydz.2. Kyiv, Radians'ka shkola,
1962. 370 p. (MIRA 15:11)

(Ukraine--Birds)

LUKIN, Ye.I.; KASYANENKO, V.G.[Kas'ianenko, V.H.], akademik, glav. red.; MARKEVICH, O.P.[Markevych, O.P.], akademik, red.; PIDOPLICHKO, I.G. [Pidoplichko, I.H.], red.; VOINSIVENSKIY, M.A.[Voinstvens'kyi, M.A.] doktor biol. nauk, red.; BOSHKO, G.B.[Boshko, H.V.], kand. biol.nauk, red.; PANASENKO, M.D., red. izd-va; ROZENTSVEYG, Ye.N., tekhn. red.

[Fauna of the Ukraine; in forty volumes]Fauna Ukrayiny; v soroka tomakh. Red. kol. V.H.Kas'ianenko ta inshi. Kyiv, Vyd-vo Akad.nauk URSR. Vol.30 [Leeches; external and internal structure, ecology, taxonomy, distribution and practical significance of leeches] P'ivavky; zovnishnia i vnutrishnia budova, ekologiya, systematyka, poshyrennia ta praktychne znachennia p'ivavok. 1962. 195 p.

(MIRA 15:7)

1. Akademiya nauk USSR (for Kas'yanenko, Markevich). 2. Chlen-korrespondent Akademii nauk USSR (for Pidoplichko). 3. Kafedra zoologii Kharkovskogo zooveterinarnogo instituta (for Lukin). (Ukraine—Coreoidea) (Ukraine—Leeches)

VOINSTVENSKIY, M.A. [Voinstvens'kyi, M.], doktor biolog.nauk, prof.

Birds markets; "ABC" of animals. Nauka i zhyttia 11 no.2:48
(MIRA 15:3)
F '62.

1. Obshchestvennyy korrespondent zhurnala "Nauka i Zhyttia".
(Birds--Behavior) (Animals, Habits and behavior of)

VOINSTVENSKIY, M.A. [Voinstvens'kyi, M.A.], doktor biolog.nauk,
prof.

Hunting without a gun. Nauka i zhyttia 11 no.12:53-54 D '61.
(MIRA 15:2)
(Photography of animals)

YURKINA, V.I.; KAS'YANENKO, V.G.[Kas'ianenko, V.H.], akademik, otv. red.; MARKEVICH, O.P.[Markevych, O.P.], akademik, red. toma; PIDOPLICHKO, I.G.[Pidoplichko, I.H.], doktor biol. nauk, red.; VOINSTVENSKIY, M.A.[Voinstvens'kyi, M.A.], doktor biol. nauk; FAJASENKO, N.D., red. izd-va, red.; ROZENTSVEYG, Ye.N., tekhn. red.

[Fauna of the Ukraine in forty volumes] Fauna Ukrayiny; v soroka tomakh. Red. kollegiia: V.G.Kas'yanenko ta inshi. Kyiv, Vyd-vo Akad. nauk UkrSR. Vol.17, no.4. [Fleas] Blokhi. 1961. 151 p. (MIRA 15:6)

1. Akademiya nauk USSR (for Kas'yanenko, Markevich).
(Ukraine--Fleas)

YEMCHUK, Ye.M.; MARKEVICH, O.P., akademik, red.toma; KAS'YANENKO, V.G.
[Kas'ianenko, V.H.], akademik, red.; PIDOPLICHKO, I.G.
[Pidoplichko, I.H.], doktor biol.nauk, red.; VOINSTVENSKIY, M.A.
[Voinstvens'kyi, M.A.], doktor biol.nauk, red.; PANASENKO, M.D.,
red.izd-va; ROZENTSVEYG, Ye.N., tekhn.red.

[Fauna of the Ukraine; in forty volumes] Fauna Ukrayny; v soroka
tomakh. Red.kol. V.G.Kas'ianenko i dr. Kyiv, Vyd-vo Akad.nauk
URSR. Vol.25. [Ixodid ticks] Iksodovi klishchi. No.1. [External
and internal structure, ecology, systematics, multiplication, and
injuriousness of ixodid ticks] Zovnishnia i vnutrishnia budova,
ekologiya, systematyka, poshyrennia ta shkodlyvist' iksodovykh
klishchiv. 1960. 161 p. (MIRA 14:1)

1. AN USSR (for Markevich).
(Ukraine--Ticks)

VOINSTVENSKIY, Mikhail Anatol'yevich; PIDOPLICHKO, I.G., doktor biol.
nauk, otv.red.; PANASENKO, M.D., red.izd-va; BUNIY, R.A.,
tekhn.red.

[Birds inhabiting the steppe zone of the European part of the
U.S.S.R.; present state of the bird fauna and its origin]
Ptitsy stepnoi polosy Evropeiskoi chasti SSSR; sovremennoe
sostoianie ornitofauny i ee proiskhozhdenie. Kiev, Izd-vo
Akad.nauk USSR, 1960. 289 p. (MIRA 13:10)
(Birds--Geographical distribution) (Steppe fauna)

VOINTIKHANIS-MIRSKIY, V. N.

Tekhnika promyshlennogo rybolovstva *Equipment used in commercial fishing*.
Chast' 2. Moskva, Gizlegpishcheprom. Part 2. 1953. 388 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

VOLOKITEVA, ENG. N. A. - VOINTSKIY, DR. S. S. - ZAYONCHKOVSKIY, DR. A. D.

Paper - Testing

Effect of the degree of grinding the fiber upon some properties of paper or
paperboard in moist condition. Bum. prom. 28 no. 3, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001860410015-5"
POLYACHEK, Yakov Grigor'yevich, VINITIAG, G. T., Tch., BANINA, N. I.,
tekhn.red.

[Home preparation and preservation of food] Prigotovlenie i
khranenie pishchi doma. Moskva, Gos. izd-vo med.lit-ry Medgiz,
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